BZC51

Type explosion–proof operating post (Ⅱ B)



Application

- Can be used in hazardous areas: Zone 1 and Zone 2
- Can be used in explosive gas atmospheres of Category IIA and IIB where the temperature classification is T1 ~ T6.

Model implication

BZC 51 - □□□□□

- Fourth part: switch specification code
- Third part: indicatior specification code
- Second part: ammeter specification code
- First part: button specification code
- Chief part: shell specification
- Design code
- Explosion–proof operating post

Application of chief part

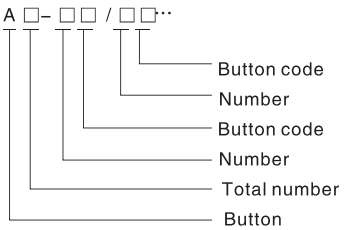
A □ B □ D □ K □□□□

- Inlet's number
- Inlet's mode
  - B: Back inlet
  - D: Upper inlet
  - X: Downward inlet (Ommitable)
- Mounting mode
  - G: Pendant
  - L: Vertical
- Switch's number (No matching not noted)
- Indicator's number (No matching not noted)
- Ammeter's number (No matching not noted)
- Button's number (No matching not noted)

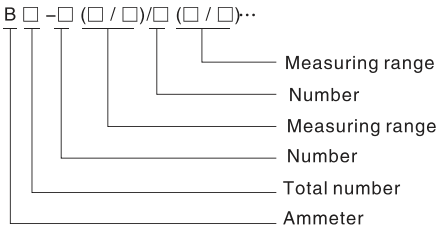
BZC51

Type explosion–proof operating post (Ⅱ B)

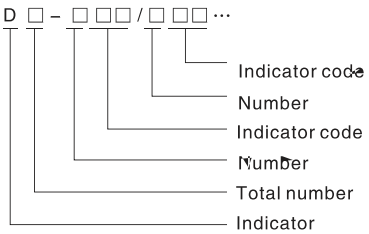
Application of first part



Application of second part



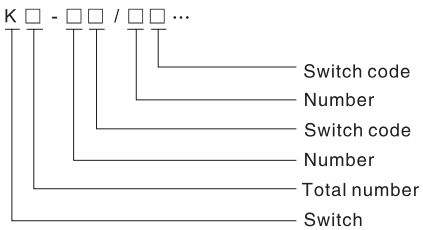
Application of third part



BZC51

Type explosion–proof operating post (Ⅱ B)

Application of forth part



Technical parameters

- Implementing the standard：GB 3836.1、GB 3836.2、GB 3836.3、IEC60079
- Explosion–proof mark：Exde Ⅱ BT6 Gb
- Rated voltage：AC 380/220V
- Rated current: 16A
- Protection grade：IP54、IP65
- Explosion–proof class：WF1
- Using type: AC–3、AC–4
- Inlet's thread：G1",
- Cable spec (ϕ , mm)：12 ~ 17

Features

- The housing is die cast in aluminum alloy,with high voltage static plastic–sprayed surface.
- Besides built–in indicator lamp, button, universal change–over switch and ammeter, other meters can be mounted according to users' requirements.
- The universal switch has 30–odd functions, which can be chosen.
- The rain screen may be provided at request of users.
- Conduit wiring or cable wiring.

BZC51

Type explosion–proof operating post (Ⅱ B)

Not ice if ordering and example

■ The product can be used indoors or outdoors, if used outdoors, it shall be provided with the rain screen to enhance the product protection performance.

1、In the general unit, please specify the quantity and specification of required switch, button, indicator lamp as well as ammeter respectively, installation way and inlet way of product.

2、In the branch unit, please specify the parameters of switch, button, indicator lamp and ammeter respectively, such as quantity, spec. And voltage, etc.

One meter one switch vertical type, the code of the switch is A, one meter the measuring range is 100/5.BZC51–A1K1Z、BZC51–A1–1(100/5)、BZC51–K1–1A

Two buttons one meter pendant type, two indicators one meter, the measuringrange is 200/5, one red indiator, one green indicator, the voltage is 220V, twobottons are 1NO+1NC. BZC51–B2A1D2G、BZC51–B2–2I、BZC51–A1–1(200/5)、BZC51–D2–1Rd/1Gd

Indicator code

Code	a	b	c	d	e
Voltage(V)	12	24	36	220	380

Button code

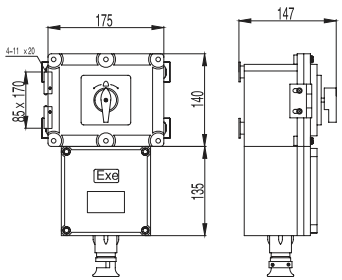
Code	Ⅰ	Ⅱ	Ⅲ
Form of button contact	1NO+1NC	2NO	2NC

Code	R	G	Y	W
Color	Red	Green	Yellow	White

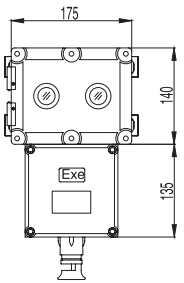
BZC51

Type explosion–proof operating post (Ⅱ B)

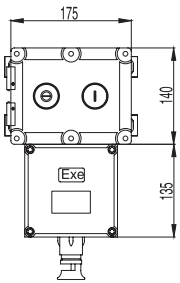
Outline and mounting example



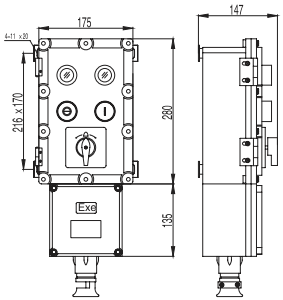
G3/4"
BZC51–K1G



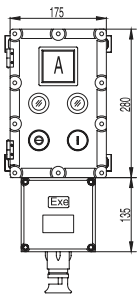
G3/4"
BZC51–D2G



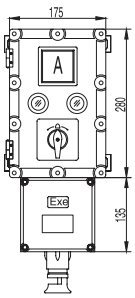
G3/4"
BZC51–A2G



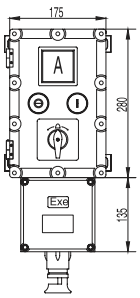
G1"
BZC51–A2D2K1G



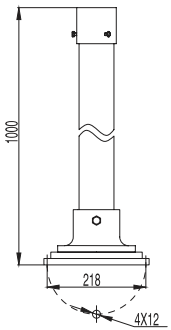
G1"
BZC51–A2B1D2G



G1"
BZC51–B1D2K1G



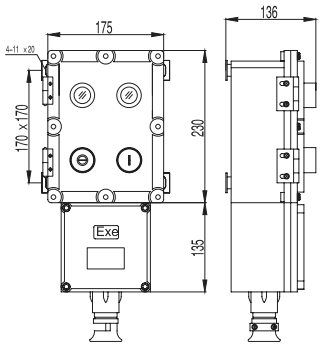
G1"
BZC51–A2B1K1G



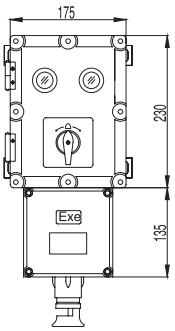
立柱式(L)

BZC51

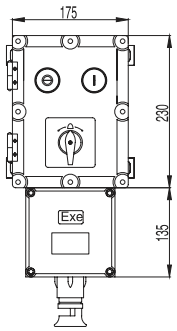
Type explosion–proof operating post (Ⅱ B)



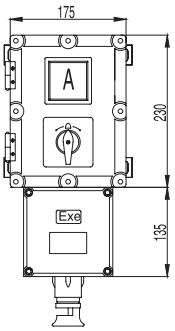
G1"
BZC51–A2D2G



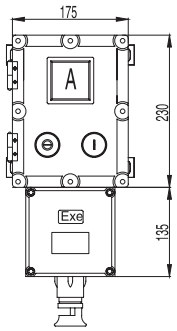
G1"
BZC51–D2K1G



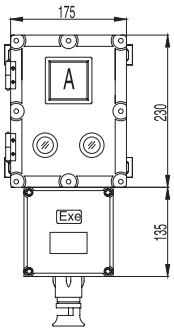
G1"
BZC51–A2K1G



G1"
BZC51–B1K1G



G1"
BZC51–A2B1G

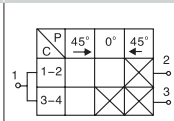
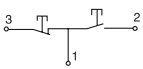
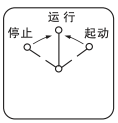
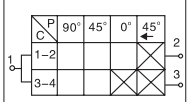
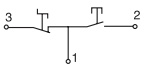
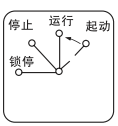
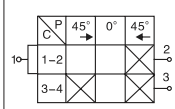
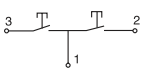
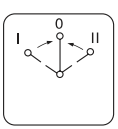
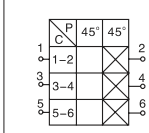
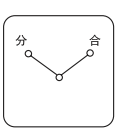
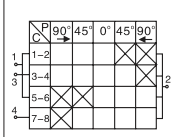
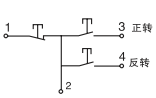
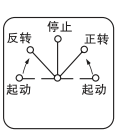
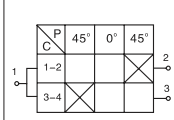
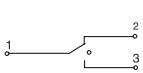
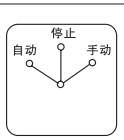
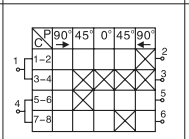
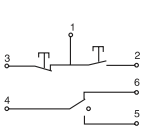
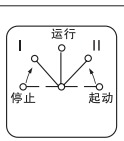


G1"
BZC51–B1D2G

BZC51

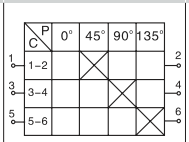
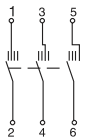
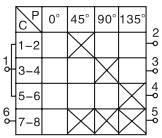
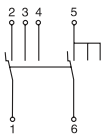
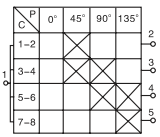
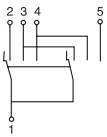
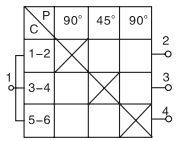
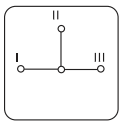
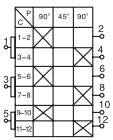
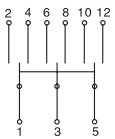
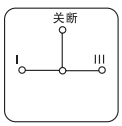
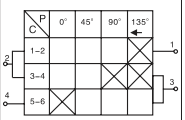
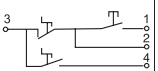
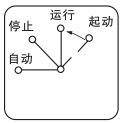
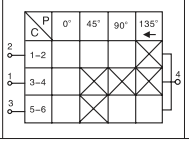
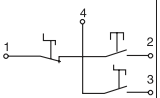
Type explosion–proof operating post (Ⅱ B)

Brief instruction for switch code

The code of switch	Chart of contact	Equivalent switch	Rotary button position, real line denotes location broken line denoter auto–resetting	Instruction for equivalent function
A				Functional wiring is the same as button with auto resetting.
B				Functional wiring is the same as button with auto resetting, and "lock–stop" is to avoid mistaken operation.
C				Button with two usually–open contacts and auto–resets, suitable for high–voltage engine control circuit function panel A.
D				Mini–power switch
E				Function is the same as three buttons to control conversion of FW and BW engine, both starters can auto–reset.
F				Selected switch with stop location in midst.
G				Be equal to mount two buttons and one change–over switch in one axis, can output contact signal or monitorsignal before starting and stopping.

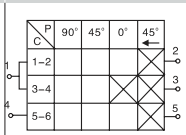
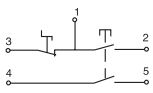
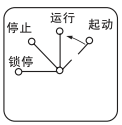
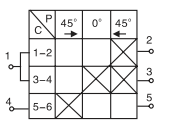
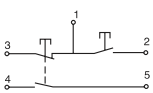
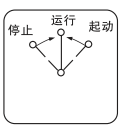
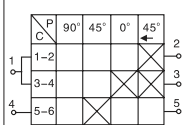
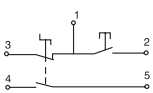
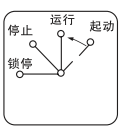
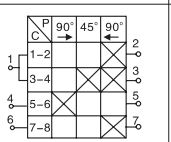
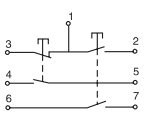
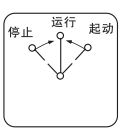
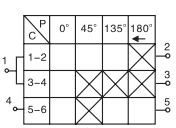
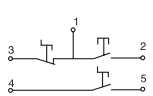
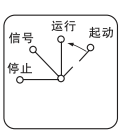
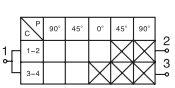
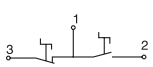
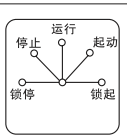
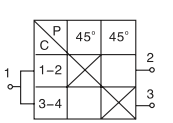
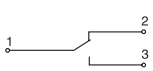
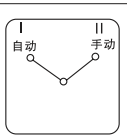
BZC51

Type explosion–proof operating post (Ⅱ B)

The code of switch	Chart of contact	Equivalent switch	Rotary button position, real line denotes location broken line denoter auto–resetting	Instruction for equivalent function
H				Multi–signals transmit gradually and convert in random.
I				Add function of chief–signal transmittin on the base of H structure.
J				J: binary and gradual changoover, change–over gradually
K				K: change–over switch
L				L: selected switch with three poples and two launches.
M				M、shift switch with auto motion, hand, starting,convert to auto–step through stop step.
N				N: little difference from multi–function structure, after starting, it doesn't pass stop step to directly turn to auto–step.

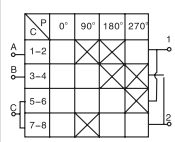
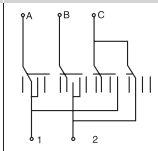
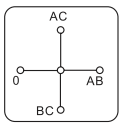
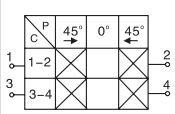
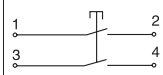
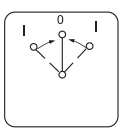
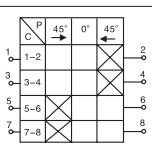
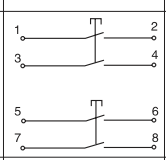
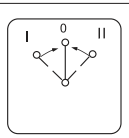
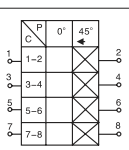
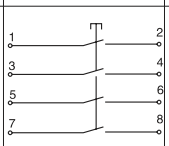
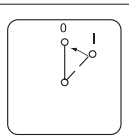
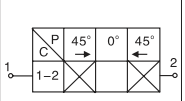
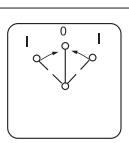
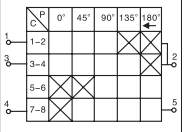
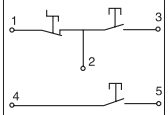
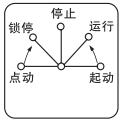
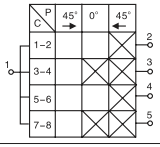
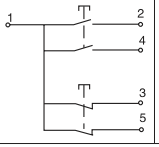
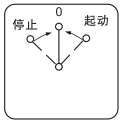
BZC51

Type explosion–proof operating post (Ⅱ B)

The code of switch	Chart of contact	Equivalent switch	Rotary button position, real line denotes location broken line denoter auto–resetting	Instruction for equivalent function
O				O: double contacts for starting with lock–stopping and auto–resetting.
P				P: double contacts for stopping,the same as for starting, stopping, and auto–resetting.
Q				Q: double contacts for stopping, the same as B universal panel with lock stopping and auto–resetting.
R				R: double for both starting and stopping, the same as A universal panel with auto–resetting when starting and stopping.
S				S: transmit a contact signal before starting and stopping.
T				T: Equipped with lock–stop step when start–ing and stopping, can't auto–reset to providemistake operating.
U				U: double–control switch.

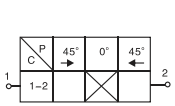
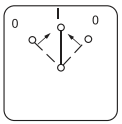
BZC51

Type explosion–proof operating post (Ⅱ B)

The code of switch	Chart of contact	Equivalent switch	Rotary button position, real line denotes location broken line denoter auto–resetting	Instruction for equivalent function
V				V: change–over switch for voltage phase–changed measuring.
W				W: one auto–reset buttons with two usually–open contactor.
X				X: two auto–rest buttons with two usually–open contactor.
Y				Y: Auto–reset button with four usually–open contactors.
Z				Z: power–source programmed switch can cut off between of them and cut in both left and right which can be used as fire fighting switch.
a				a: for starting and inching the mixed circuit.
b				b: double starting switch

BZC51

Type explosion–proof operating post (Ⅱ B)

The code of switch	Chart of contact	Equivalent switch	Rotary button position, real line denotes location broken line denoter auto–resetting	Instruction for equivalent function
e				e: emergency stopping switch